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PTO/SB/31 (06-03)  
Approved for use through 07/31/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
8/26/03

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**NOTICE OF APPEAL FROM THE EXAMINER TO THE  
BOARD OF PATENT APPEALS AND INTERFERENCES**

Docket Number (Optional)  
872.0017USU

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Signature

Typed or printed name

*[Signature]*  
Lynn Marodi

In re Application of  
Piikivi et al.

Application Number  
09/559,499

Filed  
April 27, 2000

For **ADVANCED SERVICE REDIRECTOR FOR PERSONAL COMPUTER**

Art Unit  
3625

Examiner  
Garg, Yogesh C.

Applicant hereby **appeals** to the Board of Patent Appeals and Interferences from the last decision of the examiner.

The fee for this Notice of Appeal is (37 CFR 1.17(b))

\$ 320.00

☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee shown above is reduced by half, and the resulting fee is:

\$ \_\_\_\_\_

☒ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account. I have enclosed a duplicate copy of this sheet.

☒ The Director is hereby authorized to charge any fees which may be required, or due any overpayment to Deposit Account No. 50-1924. I have enclosed a duplicate copy of this sheet.

☐ A petition for an extension of time under 37 CFR 1.36(a) (PTO/SB/22) is enclosed.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

☐ attorney or agent of record. Registration \_\_\_\_\_

☒ attorney or agent acting under 37 CFR 1.34(a). Registration number if acting under 37 CFR 1.34(a). 46,008

*[Signature]*  
Signature

Gerald J. Stanton

Typed or printed name

(203) 925-9400 x12  
Telephone number

August 13, 2003  
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE U.S. PATENT AND TRADEMARK OFFICE

141/12  
11/2  
8/26/03

Appl. No. : 09/559,499  
Applicant : Piikivi et al.  
Filed : April 27, 2000  
TC/AU : 3625  
Examiner : Yogesh C. Garg

Docket No. : 872.0017.USU  
Customer No. : 29683

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**GROUP 3600**

**NOTICE OF APPEAL**

Sir:

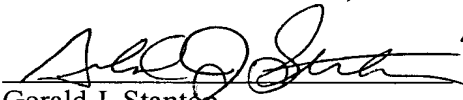
In response to the Office Action of July 16<sup>th</sup>, 2003, Applicant hereby files notice that it appeals to the Board of Patent Appeals and Interferences the decision of the Examiner as recited in the above referenced Office Action, in accordance with 35 U.S.C. § 134(a) and 37 C.F.R. § 1.191(a). A draft for the fee (\$320) under 37 C.F.R. § 1.17(b) is included herein.

**Claims:** A listing of claims subject to this appeal is presented on pages 2-9 of this paper, in accordance with M.P.E.P. § 1205. It is noted that a previous typographical error in claim 31 is corrected herein, the details of which are noted on page 2.

**Attachments:** A completed form PTO/SB/31 Notice Of Appeal is attached hereto.

Applicant believes that the filing of this paper is within the shortened statutory period under 37 C.F.R. § 1.134. However, should the undersigned attorney be mistaken, please consider this a petition for an extension of time under 37 C.F.R. § 1.136 that may be required to maintain the pendency of this patent application, and

Respectfully submitted:  
HARRINGTON & SMITH, LLP

  
Gerald J. Stanton  
Reg. No.: 46,008

August 13, 2003  
Date

**Amendments to the Claims:**

Claims 1, 3-7, 9-16, and 18-31 were finally rejected by the Examiner in the cited Office Action. The claims as rejected are reproduced here with the exception of a correction to claim 31 detailed below, and constitutes the listing of claims that are the subject of this appeal. Claim 31 as reproduced herein includes a change to correct a typographical error previously submitted when claim 31 was amended. Specifically, claim 31 was amended to incorporate language of now-cancelled claim 32, which recited "...a list of certificates that are applicable to the request, ...". During prosecution, amended claim 31 inadvertently recited "... a list of certificates that are application to the request,...", which is corrected below to reflect the original language of claim 32.

**Listing of Claims:**

1. (Previously Amended) A method for conducting electronic commerce, comprising steps of:

operating a computer to contact a commerce-related site using a browser;

automatically detecting a presence of a message received from the commerce-related site that requires, as a response, non-stored authentication information inputted by a user in response to the detected presence of the message;

in response to automatically detecting the presence of the message, sending a message from the computer to a mobile station over a bi-directional transmission link;

in response to receiving the message over the link, generating a user authentication message that is generated by prompting the user to enter a personal identification number (PIN) and comparing the entered PIN to a PIN stored in the mobile station;

passing the user authentication message from the mobile station to the computer over the bi-directional transmission link; and

sending user authentication information from the computer to the commerce-related site using the browser.

3. (Original) A method as in claim 1, wherein the user authentication message is comprised of at least one of a cryptogram and a digital signature.

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4. (Original) A method as in claim 1, wherein the steps of detecting a presence of the received message and sending the message from the computer to the mobile station include a step of operating a browser plug-in software module.

5. (Previously Amended) A method as in claim 1, wherein the steps of automatically detecting a presence of the received message and sending the message from the computer to the mobile station include a step of operating a browser module.

6. (Original) A method as in claim 1, wherein the link is implemented using Bluetooth technology.

7. (Previously Amended) A system for conducting communication with a site reachable through a data communications network, comprising:

a mobile station comprising a user interface and a mobile station utilization application; and

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a computer coupled to a data communications network and comprising a browser for contacting the site through the data communications network, the computer and browser operating to automatically detect a presence of a received message from the site that requires a response from the user, and further comprising an interface for sending a message from the computer to the mobile station over a bi-directional link in response to automatically detecting the presence of the message;

said mobile station utilization application being responsive to the receipt of the message from the link for generating a user response message and for passing the user response message to the computer over the link, said mobile station operating to prompt the user to enter a personal identification number (PIN) into the mobile station and to compare the entered PIN to a PIN stored in the mobile station; and

said computer being responsive to a receipt of said user response message for sending user response information to the site using said browser.

9. (Previously Amended) A system for conducting communication with a site reachable through a data communications network, comprising:

a mobile station comprising a user interface and a mobile station utilization application; and

a computer coupled to a data communications network and comprising a browser for contacting the site through the data communications network, the computer and browser operating to automatically detect a presence of a received message from the site that requires a response from the user, and further comprising an interface for sending a message from the computer to the mobile station over a bidirectional link in response to automatically detecting the presence of the message;

said mobile station utilization application being responsive to the receipt of the message from the link for generating a user response message and for passing the user response message to the computer over the link; and

said computer being responsive to a receipt of said user response message for sending user response information to the site using said browser,

wherein said computer operates to prompt the user to enter a personal identification number (PIN) into said computer, said computer transmits the entered PIN to said mobile station over the link, and where a user authentication module in said mobile station compares the entered PIN to a PIN stored in the mobile station.

10. (Original) A system as in claim 7, wherein said user response is comprised of a user authentication.

11. (Original) A system as in claim 7, wherein said user response is comprised of a payment request.

12. (Original) A system as in claim 7, wherein said user response is comprised of a digital signature.

13. (Original) A system as in claim 7, wherein said site is comprised of a site operated by a merchant that is reached through the Internet.

14. (Original) A system as in claim 7, wherein at least one electronic ticket is downloaded from said site, via said browser, to a memory of said mobile station.

15. (Original) A system as in claim 7, wherein said link is implemented using Bluetooth technology.

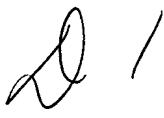
16. (Previously Amended) A method for conducting communication with a site reachable through a data communications network, comprising steps of:

providing a mobile station having a user interface and an application;

coupling a computer to a data communications network, the computer having a browser for contacting the site through the data communications network;

automatically detecting with the computer a presence of a received message from the site that requires a response from the user;

in response to automatically detecting the presence of the received message, sending a message from the computer to the mobile station over a bi-directional link;



responsive to the receipt of the message in the mobile station and an input of a personal identification number (PIN) and a comparison of the inputted PIN to a PIN stored in the mobile station, generating a user response message and passing the user response message to the computer over the link; and

responsive to a receipt of the user response message in the computer, sending user response information to the site using the browser.

18. (Original) A method as in claim 16, wherein said user response is comprised of at least one of a user authentication, a payment request, or a digital signature.

19. (Original) A method as in claim 16, wherein the site is operated by a merchant and is reached through the Internet.

20. (Original) A method as in claim 16, wherein data is downloaded from the site, via the browser, to a memory of the mobile station.

21. (Previously Added) A method as in claim 1, where the received message is automatically detected using message parsing.

22. (Previously Added) A method for conducting communication with a site reachable through the Internet, comprising:

providing a mobile station;

coupling a browser running on a computer to the site through the Internet;

automatically detecting a presence of a received challenge from the site, the received challenge being detected based on message parsing that comprises Multi-Purpose Internet Mail Extensions (MIME) field recognition;

in response to automatically detecting the presence of the received challenge, sending at least one message from the computer to the mobile station over a bidirectional wireless link;

responsive to the receipt of the at least one message in the mobile station, generating a response to the challenge and transmitting the response to the computer over the link, where generating the response comprises prompting the user to enter personal identification information using one of a computer user interface or a mobile station user interface, and operating a user authentication module in the mobile station to validate the entered personal identification information; and

responsive to a receipt of the response at the computer, sending a response to the challenge to the site using the browser.

23. (Previously Added) A method for conducting communication with a site reachable through the Internet, comprising:

providing a mobile station;

coupling a browser running on a computer to the site through the Internet;

automatically detecting a presence of a received request from the site;

in response to automatically detecting the presence of the received request, sending an inquiry to the mobile station from the computer for a list of certificates that are applicable to the request, the certificates being accessible by the mobile station;

presenting the list of applicable certificates to the user for selecting one of the presented certificates;

using the mobile station to communicate with a source of the selected certificate for completing the certificate;

passing the completed certificate to the browser; and

responsive to a receipt of the completed certificate, responding to the request received from the site.

24. (Previously Added) A method as in claim 23, where the request comprises a request for an authenticated certificate, where the applicable certificates comprise authentication certificates, and where the completed certificate comprises an authenticated certificate.

25. (Previously Added) A method as in claim 23, where the request comprises a request for a digital signature, where the applicable certificates comprise signature certificates, and where the completed certificate comprises a signed signature certificate.

26. (Previously Added) A method as in claim 23, where the received request is detected based on message parsing.



27. (Previously Added) A method as in claim 26, where message parsing comprises Multi-Purpose Internet Mail Extensions (MIME) field recognition.

28. (Previously Added) A method as in claim 23, where completing the certificate comprises prompting the user to enter personal identification information using one of a computer user interface or a mobile station user interface, and verifying the entered personal identification information in cooperation with the source of the selected certificate.

29. (Previously Added) A method as in claim 23, where the list of applicable certificates are displayed to the user using one of a computer user interface or a mobile station user interface.

30. (Previously Added) A mobile station for conducting communication with a server reachable through a data communications network, comprising:

a bidirectional data path for coupling to a network access application; and

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a controller, responsive to an automatic detection of a presence of a received request from the server by the access application or an extension of the access application, and to a reception of an inquiry from the access application, or the extension of the access application, for a list of mobile station accessible certificates that are applicable to the request, for returning the list of applicable certificates, and in response to the user selecting one of the certificates, for communicating with a source of the selected certificate for completing the certificate and passing the completed certificate to the network access application for responding to the request received from the server.

31. (~~Previously~~ Amended) A method for conducting communication with a server, comprising:

coupling an access application running on a computer to the server through a data communications network;

automatically detecting a presence of a request that is received from the server, the request being one that requires an authentication of a user;

in response to automatically detecting the presence of the request, sending a message from the computer to a mobile station over a link; the message comprising an inquiry for a list of certificates that are applicable to the request, the certificates being accessible by the mobile station;

presenting the list of applicable certificates to the user for selecting one of the presented certificates;

using the mobile station to communicate with a source of the selected certificate for completing the certificate which comprises a user authentication message;

passing the completed certificate over a link to the access application running on the computer;

responsive to a receipt of the completed certificate, sending user authentication information to the server using the access application.

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Appl. No. 09/559,499

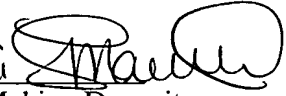
Notice of Appeal to Office Action dated July 16, 2003

**CERTIFICATE OF MAILING**

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Date 8/13/2003

Lynn Maroldi   
Name of Person Making Deposit

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